HSLayers map viewer
Do you want to INSPIRE?

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Spatial data infrastructure[1]

- software client - to display, query, and analyse spatial data (this could be a browser or a Desktop GIS),
- a catalogue service - for the discovery, browsing, and querying of metadata or spatial services, spatial datasets and other resources,
- a spatial data service - allowing the delivery of the data via the Internet, processing services - such as datum and projection transformations,
- a (spatial) data repository - to store data, e.g. a Spatial database, GIS software (client or desktop) - to create and update spatial data

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Infrastructure for Spatial Information in the European Community

- 2007
- General SDI framework for European purposes
- Implementing rules
  - Metadata
  - Network services,
  - Data and Service Sharing
  - Monitoring and Reporting

INSPIRE Geoportal

Inspire geo-portal means an Internet site, or equivalent, providing access to the services referred to in Article 11(1);

- Discovery
- View
- Download
- Transform
- Invoke

INSPIRE View service

view services making it possible, as a minimum, to

- display
- navigate
- zoom in/out
- pan
- overlay viewable spatial datasets
- display legend
- display relevant content of metadata

HSLayers

HSLayers is yet another JavaScript Mapping framework. You can use it for building rich mapping portals, as well as use it's parts for improving your simple OpenLayers-based map.

- Components based on OpenLayers
- Components based on ExtJS
- Patches for OpenLayers

Why OpenLayers?!

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Why ExtJS?!

Why Not GeoExt?!

OpenLayers components

- HSLayers.Map
  (HSLayers.Metadata,
  HSLayers.User, . . .)
- HSLayers.Popup
- HSLayers.Control.Attribution
- HSL.Control.BoxLayerSwitcher
- HSLayers.Control.Editing
- HSLayers.Control.Measure
- HSLayers.Control.PanZoomBar
- HSLayers.Control.Query

- HSLayers.Control.ScaleSwitcher
- HSLayers.Control.State
- HSLayers.Layer.OWS, WMS,
  WFS, WCS
- HSLayers.Layer.TreeLayer
- HSLayers.Layer.MultiLayer
- HSLayers.Format.PrintContext
- HSLayers.Format.State
- HSLayers.Format.KML
- HSLayers.Format.WMC

ExtJS Components

- HSLayers.LayerSwitcher
- Context manager
- Printig client
- Permalink window
- MapPortal – integrating all together
- . . .

- Ajax proxy (also POST and other request types)
- StatusManager – PHP script for storing sessions and permalinks
- Printing module
- Proxy4ows – transform WFS and WCS services into WMS (and warp WMS, if needed)
- Editing

Geoportals

Map portals do not work

Brian Timoney, `http://mapbrief.com`

Geoportals

Map portals do work, we are just doing it wrong

Chris Helm

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